

Title (en)  
PRINthead HAVING A TEMPERATURE-CONTROL DEVICE

Title (de)  
DRUCKKOPF MIT TEMPERIEREINRICHTUNG

Title (fr)  
TÊTE D'IMPRESSION POURVUE D'UN DISPOSITIF DE THERMORÉGLATION

Publication  
**EP 3554714 A1 20191023 (DE)**

Application  
**EP 17818069 A 20171201**

Priority  
• DE 102016014943 A 20161214  
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Abstract (en)  
[origin: WO2018108571A1] The invention relates to an application device (V) for applying an application agent to a component, preferably for applying a coat to a motor-vehicle body component. The application device (V) comprises a printhead (100) for preferably serially and/or continuously applying the application agent, wherein the printhead (100) has: a nozzle plate (1), at least one nozzle (2) in the nozzle plate (1) for dispensing the application agent, at least one valve element (9) movable relative to the nozzle plate (1) for controlling the dispensing of the application agent by means of the at least one nozzle (2), wherein the at least one movable valve element (9) closes the at least one nozzle (2) in a closed position and opens the at least one nozzle in an open position, and at least one drive (A) for moving the at least one valve element (9). The application device (V) is characterized in particular in that the application device comprises at least one temperature-control device (T1-T8) for reducing heating of the at least one drive (A) during the application of the application agent.

IPC 8 full level  
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**B05B 1/02** (2013.01 - US); **B05B 1/24** (2013.01 - EP US); **B05B 1/3053** (2013.01 - EP US); **B05B 12/10** (2013.01 - US); **B05B 12/149** (2013.01 - US); **B05B 13/0431** (2013.01 - US); **B05B 13/0452** (2013.01 - US); **B05C 5/001** (2013.01 - US); **B05C 5/0225** (2013.01 - US); **B05C 5/0291** (2013.01 - US); **B05C 11/1042** (2013.01 - US); **B25J 11/0075** (2013.01 - US); **B41J 2/06** (2013.01 - US); **F16K 31/004** (2013.01 - EP US); **F16K 49/005** (2013.01 - EP US); **B05B 12/10** (2013.01 - EP); **B05B 13/0452** (2013.01 - EP); **B41J 3/4073** (2013.01 - US); **B41J 2202/08** (2013.01 - US)

Citation (search report)  
See references of WO 2018108571A1

Cited by  
DE102021133410A1; WO2023110511A1

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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